MATH 5000
Dr. Smith
How to study for this class.

      (1) The canonical calculation for undergraduate courses is 2 to 3 hours spent outside of class for each lecture hour. Equivalently: 2-3 hours per credit hour per week should be spent working on theorems and exercises; for a three hour course, this comes up to a minimum of 6-9 hours a week. There's a correlation between the hours spent per week on a course and the grade. To earn a B or an A, a student may need to spend even more time. For the summer classes, this translates to 150 minutes to 225 minutes spent on homework between lectures; this is 2 ½ to 3 ¾ hours per two days. Some days you may spend less than 2 ½ hours and some days more than 3 ¾ hours to study the material or complete homework assignments.

      (2) During the Zoom lecture time I, along with student input, will go over the proofs of theorems and the solutions to exercises. You should listen and take notes - **ask questions if you do not understand the proof or solution!** Then you should go home and try to reproduce the proof/solution without looking at your notes. Use your notes as hints. (I will post my clipboard notes of theorems or exercises that I go over during the lecture time on Canvas.) If you still cannot figure out the solution/proof ask someone in your study group for help.

      (3) Set up and use study groups. I discovered that successful students often set up study groups with friends from the class and use those groups to work through problems. I suggest that a student first works on a problem for an hour or so before asking for help. This allows the problem to be firmly set in a student's mind - so that just a "nudge" in the direction of a solution is all that is needed.

      (4) Finally, ask me questions. My teaching method is based on the Socratic question and answer process - and the questioning process goes both ways.